

ABSTRACT OF THE DISCLOSURE

The invention provides a projection display apparatus capable of reducing heat absorption in a polarizing plate. In a projection display apparatus according to the present invention, a polarization separator allows first light rays, which are included in the composite light generated by a color-combining unit and polarized in one direction by a polarizing unit, to pass therethrough while reflecting second light rays, which are polarized in another direction by the polarizing unit, so as to separate the first light rays from the second light rays.

1. A projection display apparatus comprising:
a color-combining unit;
a polarizing unit;
a polarization separator;
wherein the polarization separator allows first light rays, which are included in the composite light generated by the color-combining unit and polarized in one direction by the polarizing unit, to pass therethrough while reflecting second light rays, which are polarized in another direction by the polarizing unit, so as to separate the first light rays from the second light rays.